



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Roatan Mahogany USA, Inc.**  
4004 C Aurora Street  
Coral Gables, FL 33146

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Series "Roatan Mahogany" Wood Fixed Window - L.M.I.

**APPROVAL DOCUMENT:** Drawing No. 15-253, titled "Mahogany Fixed Windows", sheets 1 through 4 of 4, dated 08/26/15, prepared by EngCo, Inc., signed and sealed by Pedro M. De Figueiredo, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

#### Limitations:

1. Concrete shall be minimum 3000 psi.
2. Hollow block shall conform to ASTM C-90, with a minimum compressive strength of 2,000 psi.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 14-0722.12 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Jorge Plasencia, P.E.



*JP*  
4/24/16

NOA No. 15-0921.12  
Expiration Date: August 08, 2019  
Approval Date: May 05, 2016  
Page 1

**Roatan Mahogany USA, Inc.**

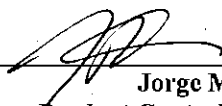
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **15-253**, titled "Mahogany Fixed Windows", sheets 1 through 4 of 4, dated 08/26/15, prepared by EngCo, Inc., signed and sealed by Pedro M. De Figueiredo, P.E.

**B. TESTS**

1. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an outswing wood casement window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1006**, dated 10/26/01, signed and sealed by Hector M. Medina, P.E.  
*(Submitted under NOA# 02-0510.02)*
2. Test reports on: 1) Air Infiltration Test, per FBC TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC TAS 202-94  
along with marked-up drawings and installation diagram of an outswing wood casement window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1184**, dated 10/29/01, signed and sealed by Hector M. Medina, P.E.  
*(Submitted under NOA# 02-0510.02)*
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an outswing wood casement window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1095**, dated 11/02/01, signed and sealed by Hector M. Medina, P.E.  
*(Submitted under NOA# 02-0510.02)*
4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
3) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of an outswing wood casement window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1077**, dated 09/09/01, signed and sealed by Hector M. Medina, P.E.  
*(Submitted under NOA# 02-0510.02)*
5. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of an outswing wood casement window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1190**, dated 09/25/01, signed and sealed by Hector M. Medina, P.E.  
*(Submitted under NOA# 02-0510.02)*

  
Jorge M. Plasencia, P.E.  
Product Control Unit Supervisor  
NOA No. 15-0921.12  
Expiration Date: August 08, 2019  
Approval Date: May 05, 2016

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**B. TESTS (CONTINUED)**

6. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
3) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of an outswing wood casement window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1079**, dated 09/26/01, signed and sealed by Hector M. Medina, P.E.  
*(Submitted under NOA# 02-0510.02)*
7. Test reports on: 1) Air Infiltration Test, per FBC TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC TAS 202-94  
along with marked-up drawings and installation diagram of an outswing wood casement window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1185**, dated 04/18/01, signed and sealed by Hector M. Medina, P.E.  
*(Submitted under NOA# 02-0510.02)*
8. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an outswing wood casement window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1007**, dated 09/06/01, signed and sealed by Hector M. Medina, P.E.  
*(Submitted under NOA# 02-0510.02)*
9. Test reports on: 1) Air Infiltration Test,  
2) Uniform Static Air Pressure Test,  
3) Water Resistance Test  
along with marked-up drawings and installation diagram of an outswing wood casement window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1186**, dated 04/18/01, signed and sealed by Hector M. Medina, P.E.  
*(Submitted under NOA# 02-0510.02)*
10. Inspection reports on: 1) Sealant by Dow Corning 995, along with marked-up drawings and installation diagram, prepared by Hurricane Engineering & Testing, Inc., for Test Reports No. **HETI-01-1190, HETI-01-1077, HETI-01-1095, HETI-01-1184, HETI-01-1079, HETI-01-1185, HETI-01-1007, HETI-01-1186, and HETI-01-1006**, dated 06/28/02, signed and sealed by Rafael E. Droz-Seda, P.E.  
*(Submitted under NOA# 02-0510.02)*



Jorge M. Plasencia, P.E.  
Product Control Unit Supervisor  
NOA No. 15-0921.12  
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**Roatan Mahogany USA, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2014, prepared by EngCo, Inc., dated 04/21/16, signed and sealed by Pedro M. De Figueiredo, P.E.
2. Glazing complies with ASTM E1300-04.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

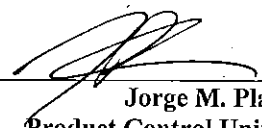
1. Notice of Acceptance No. **13-0909.10** issued to Polymer Extrusion Technology, Inc. dba Glasslam for their "**Glasslam Safety-Plus II Glass Interlayer**" dated 10/03/13, expiring on 08/07/18.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-2014**, and of no financial interest, dated 08/26/15, issued by EngCo Inc., signed and sealed by Pedro M. De Figueiredo, P.E.
2. Bill of Sale document, dated 09/26/13, between Roatan Mahogany Millwork, Inc., seller and Roatan Mahogany USA, Inc., buyer, signed by Robert De Leon.  
*(Submitted under NOA# 14-0722.12)*

**G. OTHER**

1. Notice of Acceptance No. **14-0722.12**, issued to Roatan Mahogany USA, Inc. for their Series "Roatan Mahogany" Wood Fixed Window – L.M.I., approved on 08/29/14 and expiring on 08/08/19.

  
\_\_\_\_\_  
Jorge M. Plasencia, P.E.  
Product Control Unit Supervisor  
NOA No. 15-0921.12  
Expiration Date: August 08, 2019  
Approval Date: May 05, 2016

## GENERAL NOTES:

FLORIDA BUILDING CODE 2014 HVHZ  
LARGE & SMALL MISSILE IMPACT RATED

1- DEFINITION: THIS PRODUCT IS A FIXED MAHOGANY WINDOW; DESIGNED, CONSTRUCTED AND ERECTED TO ENCLOSE AN AREA, PROVIDING PROTECTION FROM HURRICANE FORCE WINDS WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL.

2- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE 2014 FLORIDA BUILDING CODE, HIGH VELOCITY HURRICANE ZONES (HVHZ).

3- POSTING: A PERMANENT LEGIBLE DECAL SHALL BE PLACED AT A READILY VISIBLE LOCATION STATING THE FOLLOWING:

"ROATAN MAHOGANY USA, INC. - MIAMI - FLORIDA  
LARGE MISSILE IMPACT RESISTANT  
ROATAN FIXED WINDOW  
MIAMI-DADE COUNTY PRODUCT APPROVED"

4- LOADS: DESIGNED LOAD CALCULATED BASED ON THE ASCE 7-10 AND PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE PRESSURES HEREIN SPECIFIED. THE DESIGN PRESSURES, AS DETERMINED FROM ASCE 7-10, ARE TO BE MULTIPLE BY 0.6

5- MATERIAL: ALL WOOD MATERIAL TO BE FABRICATED FROM KILN DRIED MAHOGANY.

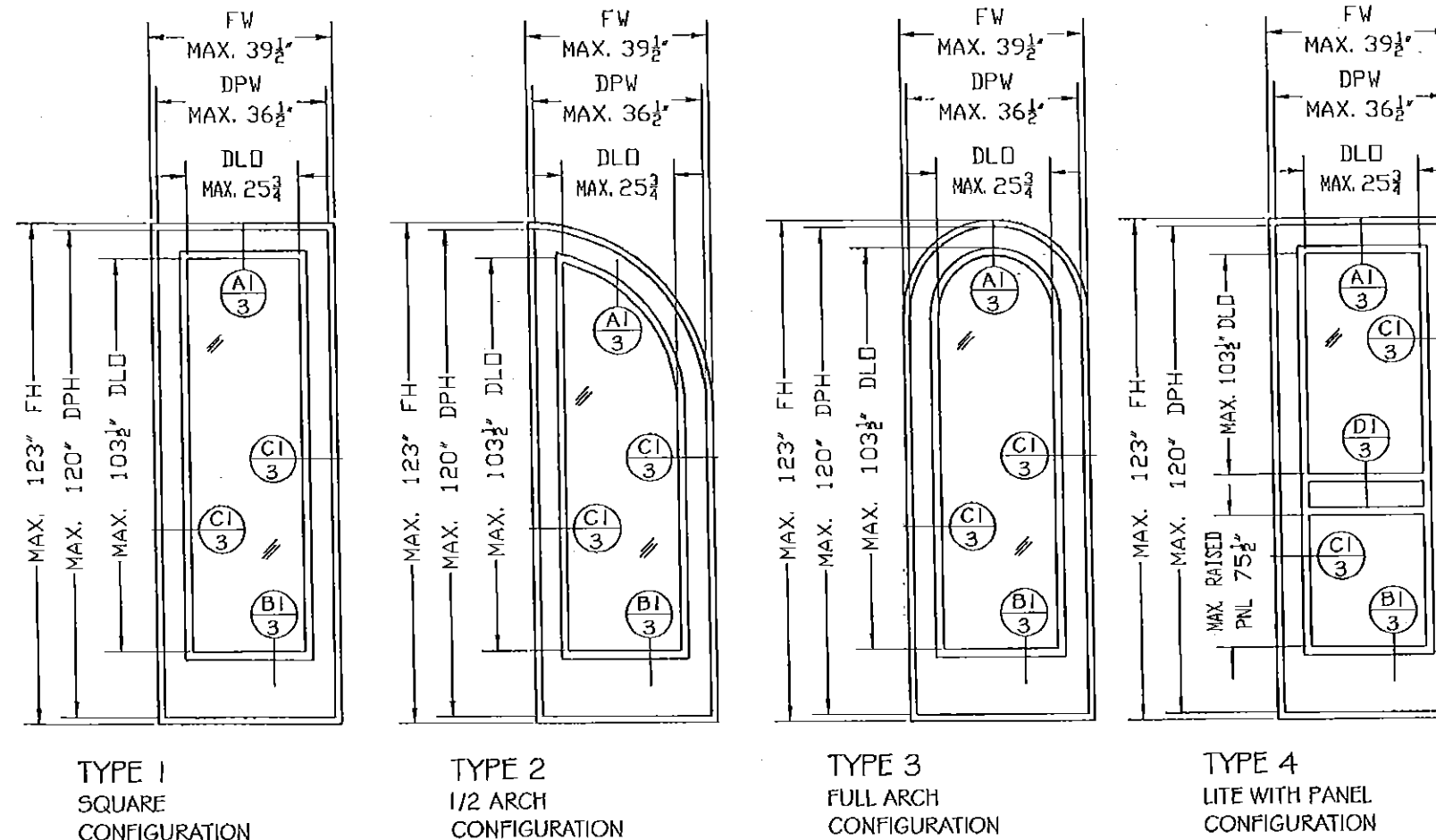
6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL.

7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:  
7.1- THE STABILITY OF THE STRUCTURE WHERE THE SHUTTER IS TO BE ATTACHED INSURING PROPER ANCHORAGE.  
7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, WINDLOADS, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.  
7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.

## TABLE OF CONTENTS:

SHEET	CONTENTS
1 OF 4	TYPICAL ELEVATIONS, DESIGN RATING, GENERAL NOTES
2 OF 4	TYPICAL ANCHORAGE LAY-OUT
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4 OF 4	PRODUCT COMPONENTS AND BILL OF MATERIALS

## TYPICAL ELEVATIONS



## DESIGNED PRESSURE RATING

$P_d = \pm 75$  PSF

### MAXIMUM FRAME SIZES:

FINISHED WIDTH: FW= 39 1/2"  
FINISHED HEIGHT: FH= 123"

### MAXIMUM CLADDING SIZES:

1/2" GLASLAM SAFETY-PLUS II IMPACT GLASS  
DLO: 25 3/4" X 103 1/2"  
1 1/2" MAHOGANY SOLID WOOD PANEL  
DLO: 25 3/4" X 103 1/2"

### LEGEND

FH - FINISHED HEIGHT  
FW - FINISHED WIDTH  
DLO - DAY LIGHT OPENING  
DPH - WINDOW PANEL HEIGHT  
DPW - WINDOW PANEL WIDTH

### WOOD TYPE:

VERNACULAR NAME: TRUE MAHOGANY  
SCIENTIFIC NAME: SWietenia macrophylla G. KING  
FAMILY: MELIACEAE  
MINIMUM SPECIFIC GRAVITY: 0.45

### GLASS TYPE:

1/2" LAMINATED MADE OF TWO 3/16" ANNEAL LITES  
PLUS GLASLAM SAFETY-PLUS II INTERLAYER  
(SEE DETAIL IN SHEET 4)

MANUFACTURER:

ROATAN  
MAHOGANY  
USA, INC

4004C AURORA STREET  
CORAL GABLES, FL 33146  
PHONE: (305) 774-5999  
FAX: (305) 774-0083

PRODUCT:

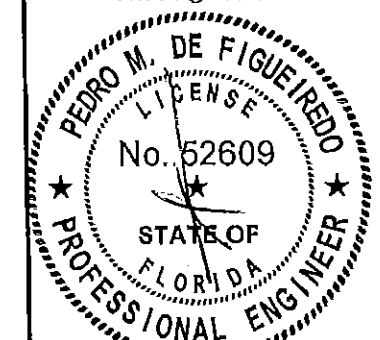
MAHOGANY FIXED  
WINDOWS

FIXED WINDOW  
LARGE & SMALL MISSILE IMPACT

ENGINEERING:

ENGCO INC. CA 8116

5595 ORANGE DR. 201  
DAVIE, FL. 33314  
Tel.: (954) 585-0304  
ENGCO@AOL.COM



AUG 26 2015

Engineer Seal  
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 15-0921.12

Expiration Date 08/08/2019

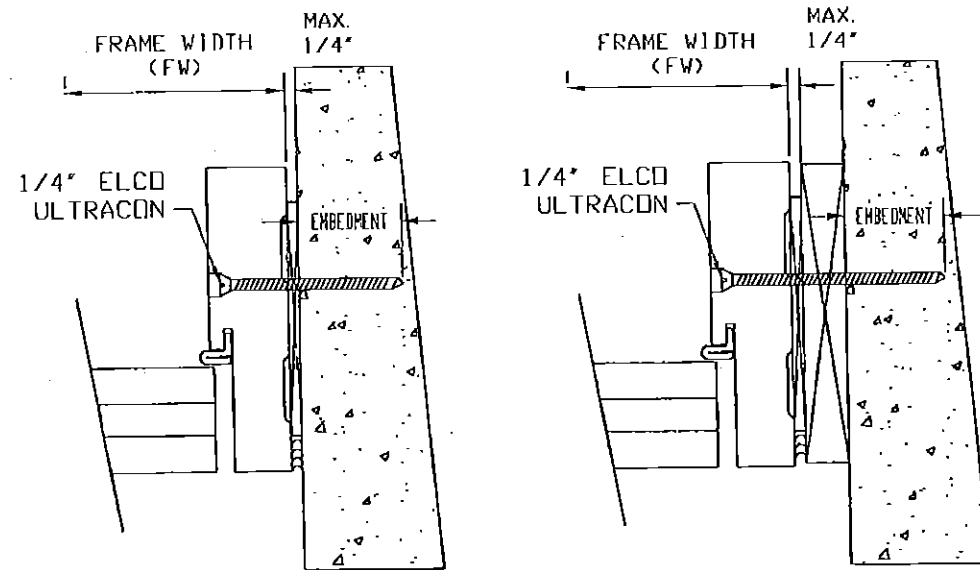
By   
Miami-Dade Product Control

DATE: 08/24/2015  
SCALE: NA  
DESIGN BY: PPMF

SHEET  
1 OF 4

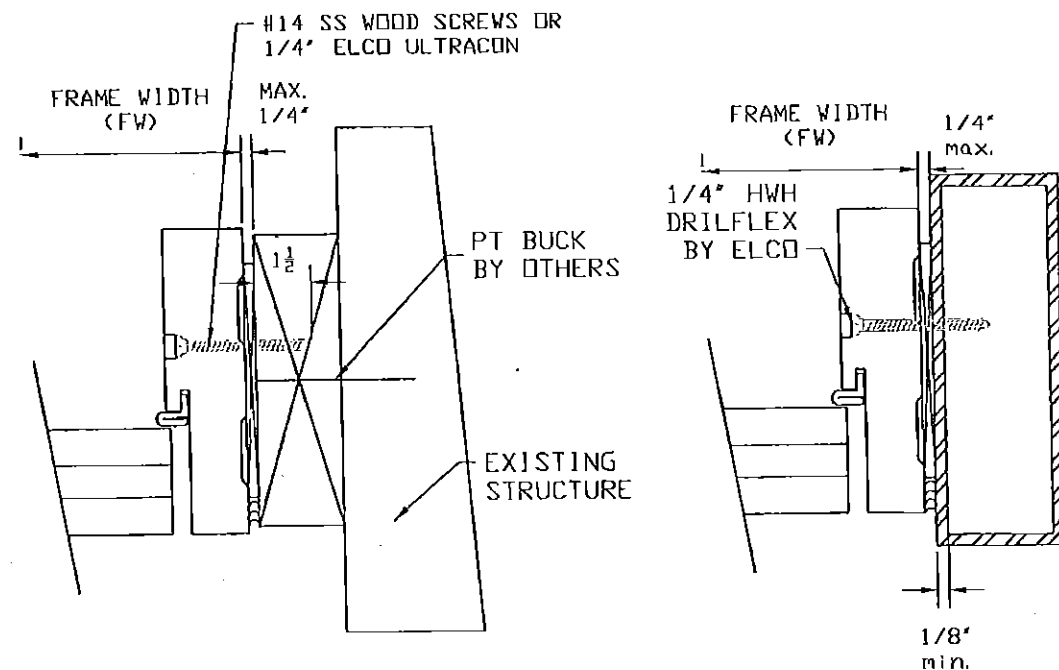
DRAWING #:  
15-253

# TYPICAL ANCHORAGE DETAILS



OPTION 1  
FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
1/4" ULTRACONS BY ELCO WITH 1 1/4" MIN.  
EMBEDMENT INTO MASONRY  
(SEE ELEVATIONS FOR ANCHORS LAY-OUT)

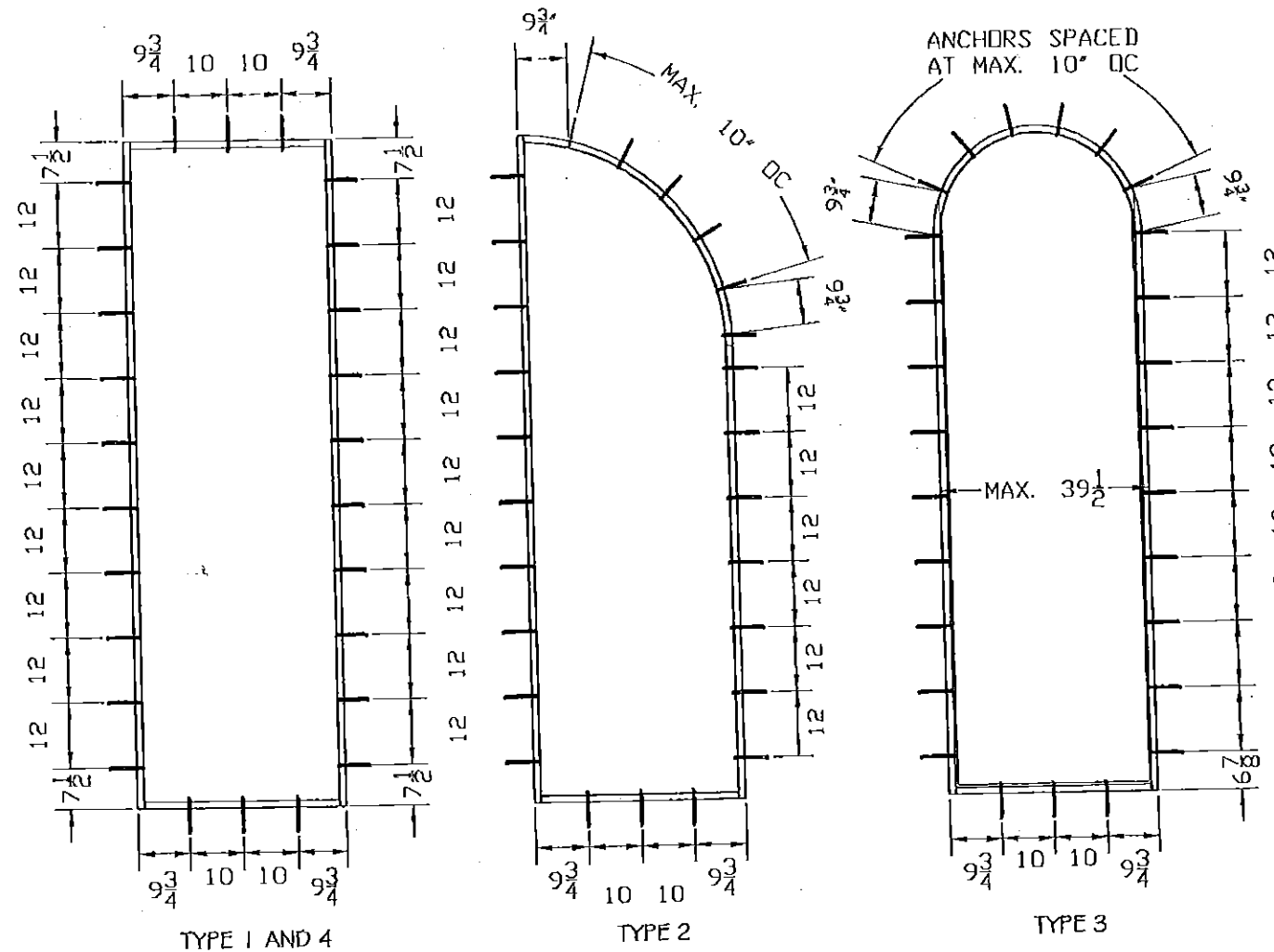
OPTION 2  
FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
AND 1" PT CONT. WOOD SPACER  
1/4" ULTRACONS BY ELCO WITH 1 1/4" MIN.  
EMBEDMENT INTO MASONRY  
(SEE ELEVATIONS FOR ANCHORS LAY-OUT)



OPTION 3  
FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
AND 2" PT CONT. WOOD BUCK BY OTHERS  
#14 SS WOOD SCREWS OR 1/4" ULTRACONS WITH  
1 1/2" MIN. EMBEDMENT INTO WOOD (SG=.55)  
(SEE ELEVATIONS FOR ANCHORS LAY-OUT)

OPTION 4  
FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
1/4"-20 HWH DRILFLEX SELF DRILLING SCREWS BY  
ELCO INTO MIN. 1/8" A36 STEEL  
(SEE ELEVATIONS FOR ANCHORS LAY-OUT)

# TYPICAL ELEVATIONS ANCHORAGE LAY-OUT



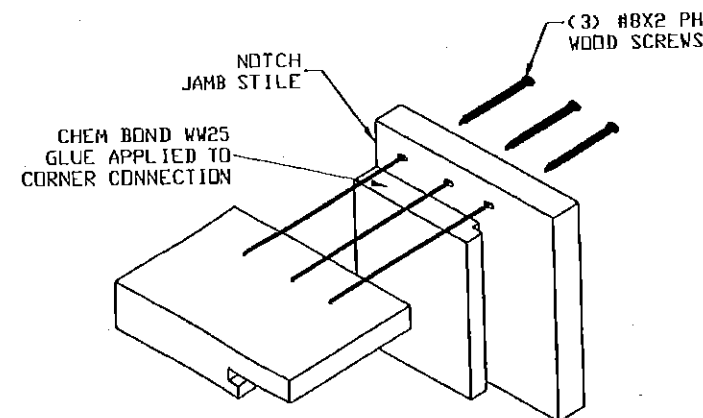
TYPE 1 AND 4

TYPE 2

TYPE 3

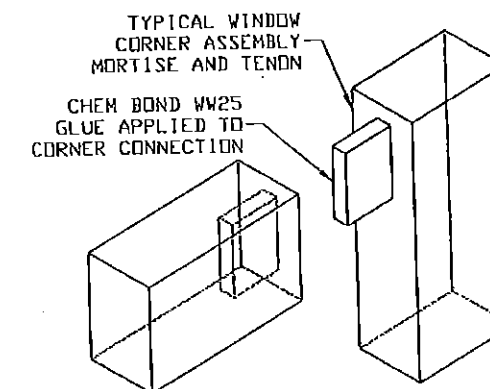
# FRAME AND WINDOW ASSEMBLY

## TYPICAL CORNER FRAMING CONSTRUCTION



NOTE: AFTER FRAMING ASSEMBLY  
ALL JOINTS ARE TO BE SEALED  
WITH DOW 995 SILICONE.

## TYPICAL WINDOW CORNER CONSTRUCTION



MANUFACTURER:

ROATAN  
MAHOGANY  
USA, INC

4004C AURORA STREET  
CORAL GABLES, FL 33146  
PHONE: (305) 774-5999  
FAX: (305) 774-0083

PRODUCT:

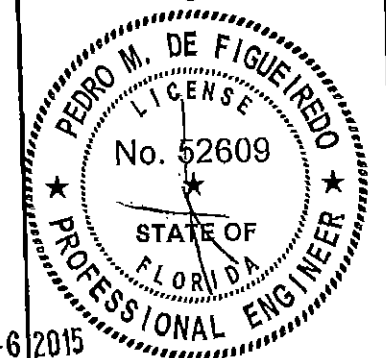
MAHOGANY FIXED  
WINDOWS

FIXED WINDOW  
LARGE & SMALL MISSILE IMPACT

ENGINEERING:

ENGCO INC. CA 8116

5595 ORANGE DR. 201  
DAVIE, FL. 33314  
Tel.: (954) 585-0304  
ENGCO@AOL.COM



AUG 26 2015

Engineer Seal  
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 15-0921.12

Expiration Date 08/08/2019

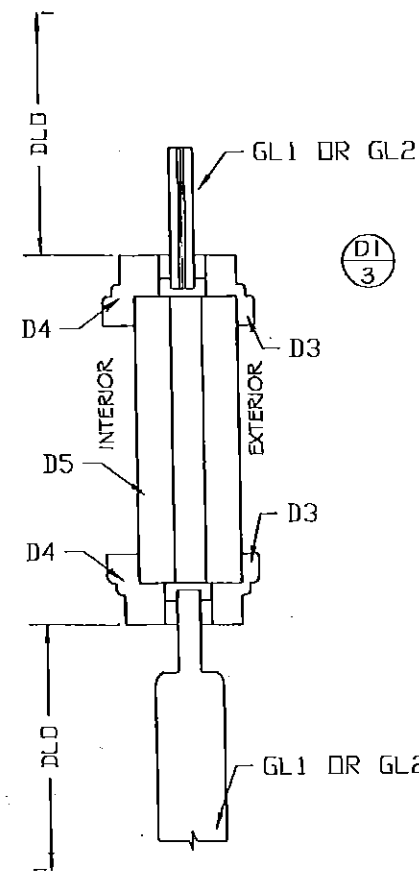
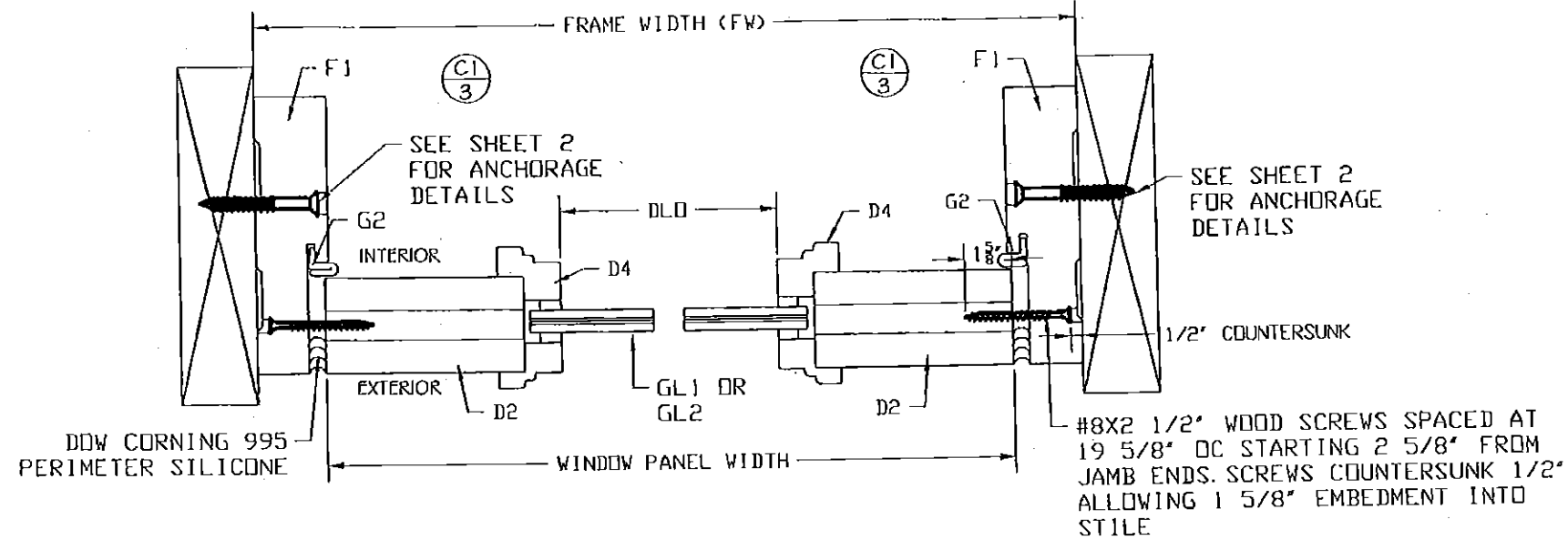
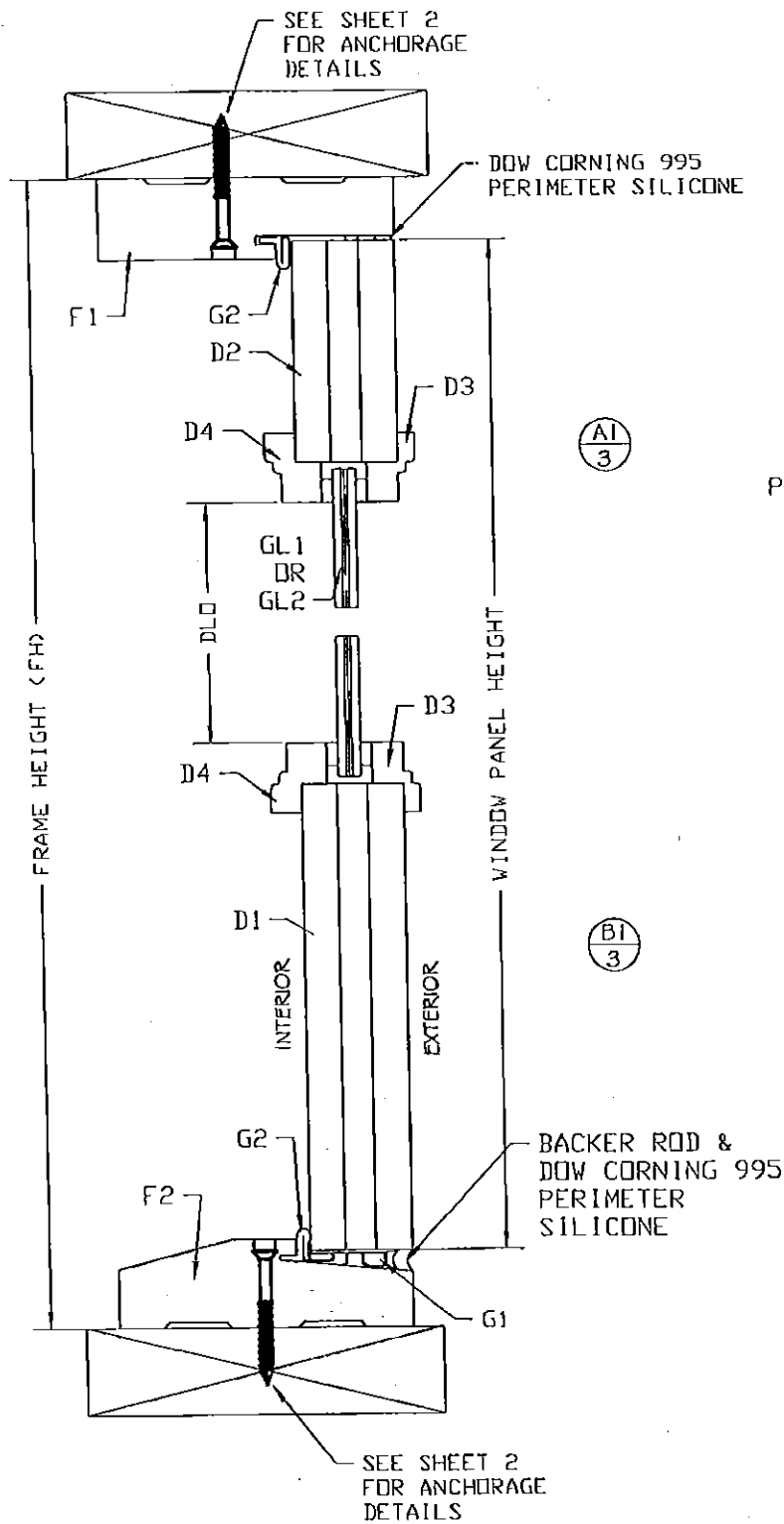
By  
Miami-Dade Product Control

DATE: 08/24/2015  
SCALE: NA  
DESIGN BY: PPMF

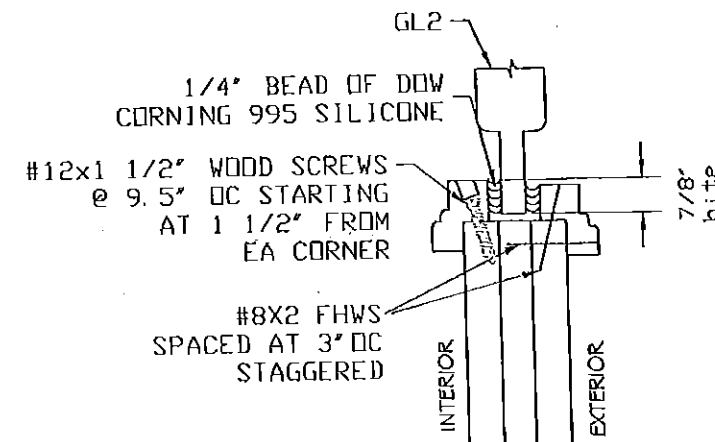
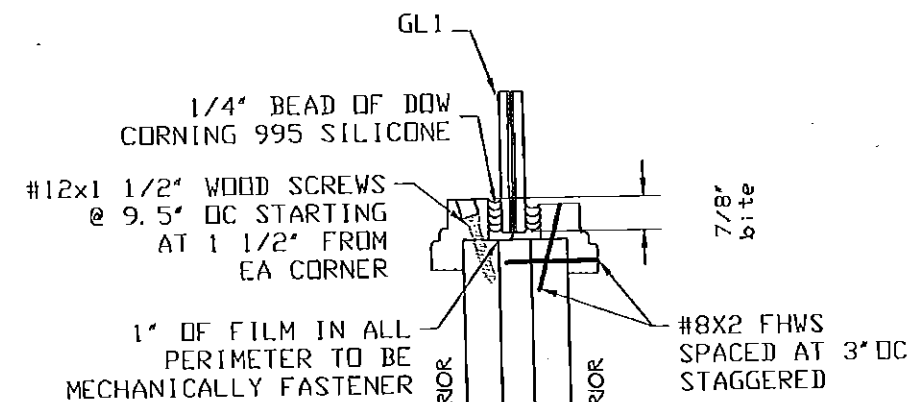
SHEET  
2 OF 4

DRAWING #:  
15-253

# TYPICAL CROSS SECTIONS



## CLADDING OPTIONS



MANUFACTURER:

ROATAN  
MAHOGANY  
USA, INC

4004C AURORA STREET  
CORAL GABLES, FL 33146  
PHONE: (305) 774-5999  
FAX: (305) 774-0083

PRODUCT:

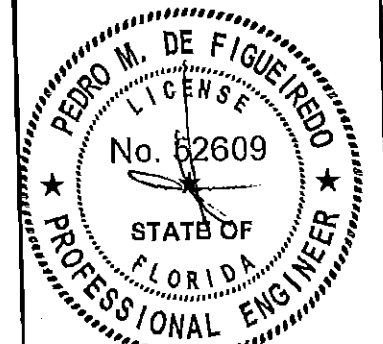
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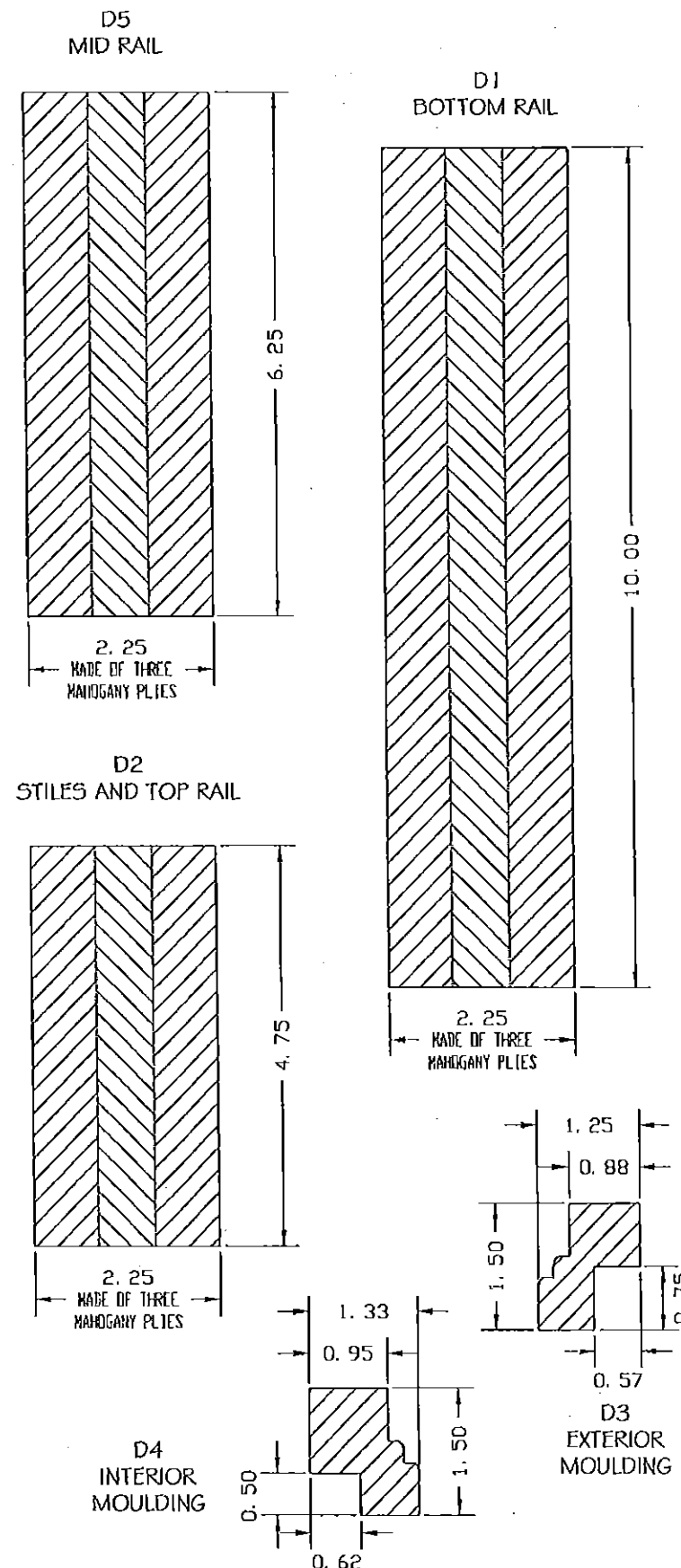
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DESIGN BY: PPMF

SHEET  
3 OF 4

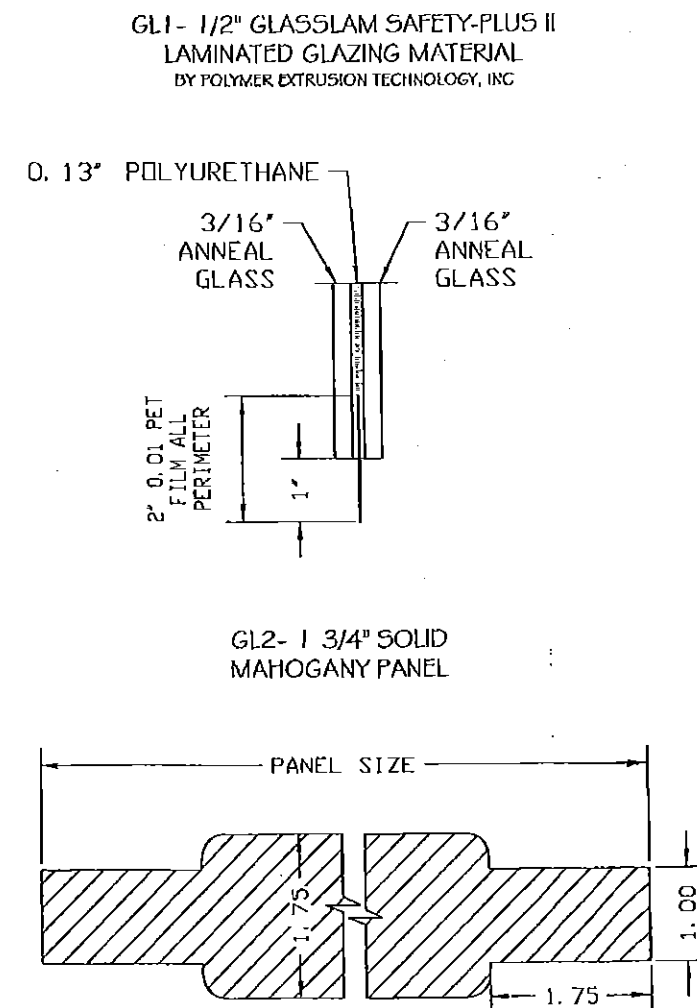
DRAWING #:  
15-253

# PRODUCT COMPONENTS AND BILL OF MATERIALS

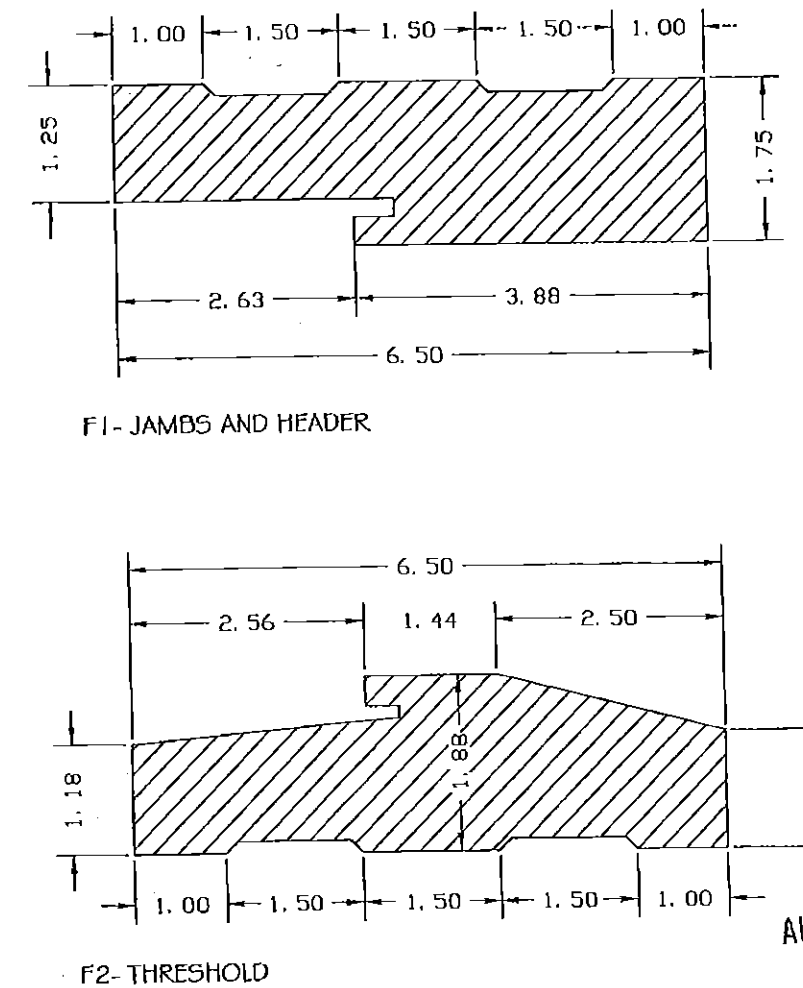
## SASH PARTS



## CLADDING



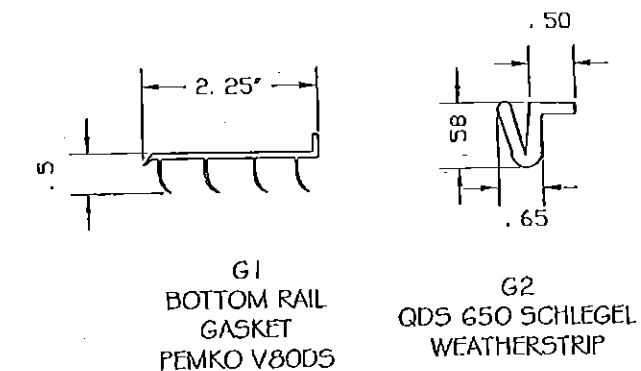
## FRAME PARTS



## BILL OF MATERIALS

ITEM#	DESCRIPTION	SIZE	REMARKS
D1	BOTTOM RAIL	2.25"X 10"	MAHOGANY WOOD
D2	TOP RAIL & STILES	2.25"X 4.75"	MAHOGANY WOOD
D3	EXTERIOR Moulding	1.50"X 1.25"	MAHOGANY WOOD
D4	INTERIOR Moulding	1.50"X 1.375"	MAHOGANY WOOD
D5	MID RAIL	2.25"X 6.25"	MAHOGANY WOOD
GL1	IMPACT GLASS	1/2" LAMINATED	BY GLASSLAM
GL2	SOLID PANEL	1.75" THICK	MAHOGANY WOOD
F1	JAMB AND HEADER	1.75"X6.50"	MAHOGANY WOOD
F2	SILL	1.875"X6.50"	MAHOGANY WOOD
G1	BOTTOM RAIL GASKET	2.25"X0.5"	PEMCO V800S VINYL
G2	FRAME SEAL	0.65"X0.58"	SCHLEGEL QDS 650

## GASKETS



MANUFACTURER:

**ROATAN MAHOGANY USA, INC**

4004C AURORA STREET  
CORAL GABLES, FL 33146  
PHONE: (305) 774-5999  
FAX: (305) 774-0083

PRODUCT:

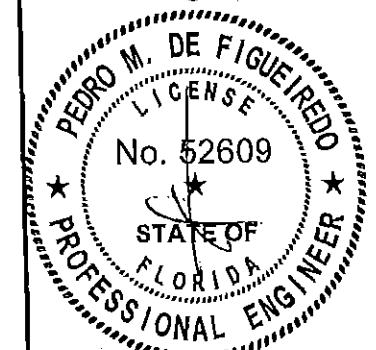
**MAHOGANY FIXED WINDOWS**

FIXED WINDOW  
LARGE & SMALL MISSILE IMPACT

ENGINEERING:

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AUG 23 2015

Engineer Seal  
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. **15-0921.12**

Expiration Date **08/08/2019**

By *[Signature]*  
Miami-Dade Product Control

DATE: 08/24/2015  
SCALE: NA  
DESIGN BY: PPMF

SHEET  
4 OF 4

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15-253